

ABSTRACT OF THE DISCLOSURE

A high performance tyre includes a carcass provided with at least one carcass ply, a belt including two or more layers of reinforcing cords parallel to each other in a layer and crossed with respect to those of an adjacent layer, applied circumferentially on the carcass, a radially-external layer of circumferentially-oriented reinforcing cords applied on the belt, and a tread band comprising an underlayer and an external layer. The underlayer may have a hardness which is substantially constant over a temperature range between 23°C and 100°C. The underlayer may also have an elastic modulus which is substantially constant over a temperature range between 70°C and 100°C. Additionally, the underlayer may be made from an elastomer compound comprising reinforcing fibers and hardening resins. Further, the underlayer may have a hardness and an elastic modulus which remain substantially constant between 70°C and 100°C. A method for making the tyre is also disclosed.

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FINNEGAN
HENDERSON
FARABOW
GARRETT &
DUNNER LLP

1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
www.finnegan.com